

Datasheet for ABIN7555158  
**p130 Protein (AA 1-1139) (His tag)**



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## Overview

Quantity:	1 mg
Target:	p130 (RBL2)
Protein Characteristics:	AA 1-1139
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This p130 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant RBL2 Protein expressed in mammalian cells.
Sequence:	<p>MPSGGDQSP PPPPPAAAA SDEEEEDDGE AEDAAPPAES PTPQIQQRFD ELCSRLNMDE</p> <p>AARAEAWDSY RSMSESYTLE GNDLHWLACA LYVACRKSVP TVSKGTVEGN YVSLTRILKC</p> <p>SEQSLIEFFN KMKKWEDMAN LPPHFRERTE RLERNFTVSA VIFKKYEPIF QDIFKYPQEE</p> <p>QPRQQRGRKQ RRQPCTVSEI FHFCWVLFYI AKGNFPMISD DLVNSYHLLL CALDLVYGNA</p> <p>LQCSNRKELV NPNFKGLSED FHAKDSKPSS DPPCIEKLC SLHDGLVLEA KGIKEHFWKP</p> <p>YIRKLYEKKL LKGKEENLTG FLEPGNFGES FKAINKAYEE YVLSVGNLDE RIFLGEDAEE</p> <p>EIGTLRCLN AGSGTETAER VQMKNILQQH FDKSKALRIS TPLTGVRYIK ENSPCVTPVS</p> <p>TATHSLRSLH TMLTGLRNAP SEKLEQILRT CSRDPQAIA NRLKEMFEIY SQHFQPDDEF</p> <p>SNCAKEIASK HFRFAEMLYY KVLESVIEQE QKRLGDMDSL GILEQDAFHR SLLACCLEVV</p> <p>TFSYKPPGNF PFITEIFDVP LYHFYKVIEV FIRAEDGLCR EVVKHLNQIE EQILDHLAWK</p> <p>PESPLWEKIR DNENRVPTCE EVMPPQNLER ADEICIAGSP LTPRRVTEVR ADTGGLGRSI</p> <p>TSPTTLYDRY SSPPASTTRR RLFVENDSPS DGGTPGRMPP QPLVNAVVPVQ NVSGETVSVT</p>

PVPGQTLVTM ATATVTANNG QTVTIPVQGI ANENGGITFF PVQVNVGGQA QAVTGSIQPL  
SAQALAGSLS SQQVTGTTLQ VPGQVAIQI SPGGQQQKQG QSVTSSSNRP RKTSSLSLFF  
RKVYHLAAVR LRDLCAKLDI SDELRRKIWT CFEFSIIQCP ELMMDRHLAQ LLMCAIYVMA  
KVTKEKSFQ NIMRCYRTQP QARSQVYRSV LIKGKRKRNR SGSSDSRSHQ NSPTLNKDR  
TSRDSSPVMR SSSTLPVPQP SSAPPTPTRL TGANSDMEEE ERGDLIQFYN NIYIKQIKTF  
AMKYSQANMD APPLSPYPFV RTGSPRRIQL SQNHPVYISP HKNETMLSPR EKIFYFYSNS  
PSKRLREINS MIRTGETPTK KRGILLEDGS ESPAKRICPE NHSALLRRLQ DVANDRGSH **Sequence**  
**without tag. The proposed Purification-Tag is based on experiences with the expression**  
**system, a different complexity of the protein could make another tag necessary. In case you**  
**have a special request, please contact us.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	p130 (RBL2)
Alternative Name:	RBL2 ( <a href="#">RBL2 Products</a> )
Background:	Retinoblastoma-like protein 2 (130 kDa retinoblastoma-associated protein) (p130)

## Target Details

(Retinoblastoma-related protein 2) (RBR-2) (pRb2),FUNCTION: Key regulator of entry into cell division. Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of constitutive heterochromatin by stabilizing histone methylation. Recruits and targets histone methyltransferases KMT5B and KMT5C, leading to epigenetic transcriptional repression. Controls histone H4 'Lys-20' trimethylation. Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters. Potent inhibitor of E2F-mediated trans-activation, associates preferentially with E2F5. Binds to cyclins A and E. Binds to and may be involved in the transforming capacity of the adenovirus E1A protein. May act as a tumor suppressor.

Molecular Weight: 128.4 kDa

UniProt: [Q08999](#)

Pathways: [Cell Division Cycle, Mitotic G1-G1/S Phases](#)

## Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months